

JET PLASMA PROCESS AND APPARATUS FOR
DEPOSITION OF COATINGS AND THE COATINGS THEREOF

Abstract of the Disclosure

5 The present invention provides a method for the formation of an
organic coating on a substrate. The method includes: providing a substrate in a
vacuum; providing at least one vaporized organic material comprising at least one
component from at least one source, wherein the vaporized organic material is
capable of condensing in a vacuum of less than about 130 Pa; providing a plasma
10 from at least one source other than the source of the vaporized organic material;
directing the vaporized organic material and the plasma toward the substrate; and
causing the vaporized organic material to condense and polymerize on the substrate
in the presence of the plasma to form an organic coating.

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